

IDS Form PTO/SB/08: Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 1 of 2

**Complete if Known**

Application Number	09/965,242
Filing Date	September 26, 2001
First Named Inventor	RAGHAVAN, Sreen
Art Unit	2638
Examiner Name	Williams, Lawrence B.
Attorney Docket Number	9146.0001-01

**U.S. PATENTS AND PUBLISHED U.S. PATENT APPLICATIONS**

Examiner Initials	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Issue or Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-2002/0093994 A1	07-18-2002	Hendrickson et al.	
		US-2003/0112798 A1	06-19-2003	Ziegler et al.	
		US-4,710,922	12-01-1987	Scott	
		US-5,079,770	01-07-1992	Scott	
		US-5,293,378	03-08-1994	Shimizu	
		US-5,796,783	08-18-1998	Crawford	
		US-5,838,268	11-17-1998	Frenkel	
		US-5,999,575	12-07-1999	Morinaga et al.	
		US-6,246,664 B1	06-12-2001	Boehm	
		US-6,462,679 B1	10-08-2002	Van Nguyen	
		US-6,496,540 B1	12-17-2002	Widmer	

Note: Submission of copies of U.S. Patents and published U.S. Patent Applications is not required.

**FOREIGN PATENT DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation <sup>6</sup>

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Translation <sup>6</sup>
		International Search Report for corresponding PCT Application No. PCT/US02/22339, issued March 21, 2003 (4 pages).	
		Written Opinion for related PCT Application No. PCT/US2004/014538, issued December 7, 2004 (6 pages).	
		Office Action mailed March 10, 2005 in U.S. Appl. No. 09/904,432 (Our ref. 9146-01-00).	
		Response to Office Action dated August 10, 2005 in U.S. Appl. No. 09/904,432 (Our ref. 9146-01-00).	
		Office Action mailed August 9, 2004 in U.S. Appl. No. 10/071,771 (Our ref. 9146-01-02).	
		Response to Office Action dated January 10, 2005 in U.S. Appl. No. 10/071,771 (Our ref. 9146-01-02).	

IDS Form PTO/SB/08: Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				<b>Complete if Known</b>	
				<i>Application Number</i>	09/965,242
				<i>Filing Date</i>	September 26, 2001
				<i>First Named Inventor</i>	RAGHAVAN, Sreen
				<i>Art Unit</i>	2638
				<i>Examiner Name</i>	Williams, Lawrence B.
<i>Sheet</i>	2	<i>of</i>	2	<i>Attorney Docket Number</i>	9146.0001-01

NON PATENT LITERATURE DOCUMENTS		
<i>LH</i>	Office Action mailed June 28, 2005 in U.S. Appl. No. 10/071,771 (Our ref. 9146-01-02).	
<i>LH</i>	Response to Office Action dated September 28, 2005 in U.S. Appl. No. 10/071,771 (Our ref. 9146-01-02).	
<i>LH</i>	Office Action mailed October 26, 2004 in U.S. Appl. No. 10/167,158 (Our ref. 9146-01-03).	

<i>Examiner Signature</i>	<i>Lawrence B. Williams</i>	<i>Date Considered</i>	<i>1/19/06</i>
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Application Number	09/985,242
Filing Date	September 26, 2001
First Named Inventor	RAGHAVAN, Sreen A.
Art Unit	2638
Examiner Name	WILLIAMS, Lawrence B.
Attorney Docket Number	9146.0001-01

**U.S. PATENTS AND PUBLISHED U.S. PATENT APPLICATIONS**

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		Number-Kind Code <sup>2</sup> (if known)			
LJH		US-2004/0162023	08-19-2004	Cho	
		US-2004/0137941	07-15-2004	Tanaka et al.	
		US-2004/0121753	06-24-2004	Sugar et al.	
		US-2004/0106380	06-03-2004	Vassiliou et al.	
		US-2004/0091028	05-13-2004	Aronson et al.	
		US-2003/0054782	03-20-2003	Snider	
		US-2003/0017809	01-23-2003	Garlepp et al.	
		US-2002/0163974 A1	11-07-2002	Friedman	
		US-2002/0086651	07-04-2002	Prentice et al.	
		US-2002/0039052	04-04-2002	Straub et al.	
		US-6,804,497	10-12-2004	Kerth et al.	
		US-6,731,704	05-04-2004	Kiyonagi	
		US-6,529,303 B1	03-04-2003	Rowan et al.	
		US-6,292,559 B1	09-18-2001	Gaikwad et al.	
		US-6,259,745 B1	07-10-001	Chan	
		US-5,838,740	11-17-1998	Kallman et al.	
		US-5,822,368 A	10-13-1998	Wang	
		US-5,285,474 A	02-08-1994	Chow et al.	
		US-4,679,225	07-07-1987	Higashiyama	

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		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>6</sup> (if known)				
LJH		EP 0554056 B1	05-27-1998	Fujitsu Limited		
LJH		EP 0987830 A	03-22-2000	Mitsubishi Electric Corp.		
LJH		WO 99/45683	09-10-1999	Kestrel Solutions, Inc.		
LJH		WO 00/51303 A	08-31-2000	Aware Inc.		
LJH		WO 03/007564 A	01-23-2003	Myrica Networks Inc.		

Examiner Signature	<i>Lawrence B. Williams</i>	Date Considered	1/19/06
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Examiner Name	WILLIAMS, Lawrence B.
Attorney Docket Number	9146.0001-01

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Translation <sup>2</sup>
<i>LM</i>		CLARK, JR., G.C. and CAIN, J.B., Error Correction Coding for Digital Communications (Plenum Press, New York 1981) pp 253-264.	
<i>LM</i>		International Search Report dated July 12, 2004, from corresponding PCT Application No. PCT/US04/014538.	
<i>LM</i>		LEE, EDWARD A. and MESSERSCHMITT, DAVID G., Digital Communications (Kluwer Academic Publishers, 1988) pp 371-402.	
<i>LM</i>		SKLAR, BERNARD, Digital Communications, Fundamentals and Applications (Prentice-Hall, Inc., 1988), pages 51-244 and 314-535.	
<i>LM</i>		UNGERBOECK, G., "Channel Coding with Multilevel/Phase Signals," IEEE Transactions on Information Theory, vol It-28, January 1982, pp 55-67.	
<i>LM</i>		UNGERBOECK, G., "Trellis Coding Modulation with Redundant Signal Sets, Part I. Introduction." IEEE Communications Magazine, vol. 25, no. 2, Feb. 1987, pp. 12-21.	

Examiner Signature	<i>Lawrence Williams</i>	Date Considered	11/16/06
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